**FEATURES**
- 316L Stainless steel wetted parts
- Helium leak tested to $1 \times 10^{-8}$ atm cc/s
- Cleaned in class 10,000/100 clean room
- Polyethylene-sealed after nitrogen gas flushing

**TYPICAL USES**
- High purity gas delivery systems
- Gas sticks
- Process gas analyzers
- Semiconductor

**SPECIFICATIONS**
- **Accuracy:**
  - ±1.6% of span (63 mm)
  - ±1.6% of span (50 mm)
- **Dial Sizes:** 50 mm, 63 mm
- **Ranges:**
  - Vacuum to 15 psi, vacuum to 300 psi
  - 0 to 60 psi, 0 to 3,000 psi
- **Surface Finish:** Tube and fitting < 1.6 μm Ra
- **Process Connection:**
  - 50 mm: $\frac{9}{16}$ - 18 UNF Male or Female Connection (Compatible with ¼ VCR®)
  - 63 mm: G ¼ B Male, R ¼ Male, ¼ NPT Male, $\frac{9}{16}$ - 18 UNF Male Connection (Compatible with ¼ VCR®)
- **Process Conn. Location:**
  - 50 mm: Lower, center back
  - 63 mm: Lower, lower back
- **Movement:** 400 Stainless steel
- **Window Material:**
  - Glass (63 mm)
  - Polycarbonate (50 mm)
- **Dial:**
  - White face, aluminum
- **Pointer:** Black, aluminum
- **Approvals:** RoHs
- **Weight:**
  - 50 mm: Aprox. 100 g
  - 63 mm: Aprox. 200 g

**WETTED COMPONENTS**
- Bourdon Tube: 316L SS
- Gland/Socket: 316L SS
- Joints: Argon Arc Welded

**NON-WETTED COMPONENTS**
- Case: 304 Stainless steel
- Ring: 304 Stainless steel

**MIN/MAX TEMPERATURE LIMITS**

<table>
<thead>
<tr>
<th></th>
<th>Ambient</th>
<th>Process</th>
<th>Storage</th>
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<tbody>
<tr>
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<td>23 °F to 113 °F</td>
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### ORDERING CODE

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<th>Example:</th>
<th>50</th>
<th>H</th>
<th>PXG</th>
<th>MVS</th>
<th>B</th>
<th>V/150#</th>
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</thead>
</table>

#### Size
- 50 mm
- 63 mm

#### Gauge Family
- H - High Purity Gauge

#### Purity Level
- PXG - Class 100 (63 mm) / Class 10000 (50 mm)
- PXG

#### Process Connection
- **MVF** - Male \(\frac{9}{16}\) -18 UNF (Compatible with \(\frac{1}{4}\) VCR®) (63 mm only)
- **MGF** - G \(\frac{1}{4}\) B Male (63 mm only)
- **MRF** - R \(\frac{1}{4}\) Male (63 mm only)
- **MNF** - ¼ NPT Male (63 mm only)
- **MVS** - Male Swivel \(\frac{9}{16}\) -18 UNF (Compatible with \(\frac{1}{4}\) VCR®) (50 mm only)
- **MVS**
- **FVS** - Female Swivel \(\frac{9}{16}\) -18 UNF (Compatible with \(\frac{1}{4}\) VCR®) (50 mm only)

#### Process Connection Location
- **L** - Lower
- **B** - Back (50 mm: center back, 63 mm: lower back)

#### Range
- **#** - PSI
- V/# - Inches of Mercury Vacuum and PSI
- V/150#
- **BR** - Bar
- **KP** - Kilopascals
- **MP** - Megapascals
**STANDARD RANGES**

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<th>bar</th>
<th>kPa</th>
<th>MPa</th>
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<td>N100/100KP</td>
<td>NP1/P1MP</td>
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<td>V/30#</td>
<td>N1/2BR</td>
<td>N100/200KP</td>
<td>NP1/P2MP</td>
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<td>N1/3BR</td>
<td>N100/300KP</td>
<td>NP1/P3MP</td>
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HPX High Purity Pressure Gauge
50 mm and 63 mm Dial Sizes

**DIMENSIONS** in millimeters

For reference only, consult Ashcroft for specific dimensional drawings

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**63 mm Lower Connect**

![Diagram of 63 mm Lower Connect](image)

**63 mm Lower Connect**

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HPX High Purity Pressure Gauge
50 mm and 63 mm Dial Sizes

DIMENSIONS in millimeters
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63mm Back Connect

63mm Back Connect
Compatible with ¼ Male VCR®

63mm Back Connect

63mm Back Connect

Compatible with ⅛ - 18 UNF

Compatible with ⅛ NPT

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HPX High Purity Pressure Gauge
50 mm and 63 mm Dial Sizes

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